DECLARATION

INVENTORSHIP IDENTIFICATION

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

CATALYTIC PROCESSES FOR THE CONTROLLED POLYMERIZATION OF FREE RADICALLY

(Co)P	(Co)POLYMERIZABLE MONOMERS AND FUNCTIONAL POLYMERIC SYSTEMS PREPARED THEREBY						
			TITLE	E OF IN	VENTION	·····	
			SPECIFIC#	ATION IE	DENTIFICATION		
the sp	ecification	n of which:			•		
(a)		is attached	d hereto.				
(b)	\boxtimes	was filed	on <u>March 23, 2000</u>		_, as ⊠ Serial No.	09/534,827	
		and v	was amended on _ (if ap	plicable).		
(c)		was des	cribed and claimed in PC	ST Inter	national Application	n No filed on _	·
•		and v	was amended on	_, (if app	licable).		
		ACKNO	WLEDGMENT OF REV	/IEW Of	F PAPERS AND D	UTY OF CANDO)R
		•	at I have reviewed and u	_	-	the above-identit	fied specification,
includ			mended by any amendn				
	1 ackr	nowledge th	ne duty to disclose inform	nation, v	which is material to	patentability as	defined in 37,
Code	of Fede	ral Regulat	tions, § 1.56.				
			PRIORITY CLAIMS (Prior Foreign/Pct Ap (6 Months For De	plication	ER 35 U.S.C. § 119 n(S) Filed Within 12 rior To This Applica	2 Months	
	1 here	eby claim f	foreign priority benefits u				(a)-(d) or 365(b) of
any f			s) for patent or inventor's				
which	h design:	nated at lea	ast one country other th	an the I	United States of A	merica, listed be	elow and have also
			reign application(s) for				
			filing date before that of t				
Appl	lication N	lumber	Country or PCT	Date	Of Filing	Priority not	Certified Copy
``		,		(Day	, Month, Year)	Claimed	Attached?
-				+			☐ YES NO ☐
(CLAIM F	OR BENE	FIT OF PRIOR U.S. PRO	OVISIO	NAL APPLICATIO	N(S) UNDER 35	U.S.C. § 119(e)
	l he	reby claim	n the benefit under Titl	ie 35, 1	United States Cod	de, § 119(e) of	any United States
prov	∕isional a	pplication(s	s) listed below:			•	
Pro	visional	Application	on Number		Filing Date		
	125,809 142,980				March 23, 1999 July 12, 1999		

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120 (All Foreign Application(S), *If Any*, Filed More Than 12 Months (6 Months For Design) Prior To This U.S. Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or 365(c) PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.

U.S Parent	PCT Parent	Date Of Filing	Parent Patent
Application No.	Application No.	(Day, Month, Year)	No. (If applicable)
			
			1

DECLARATION

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

SIGNATURE(S)

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			Teodorescu
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(GIVEN NAME)	(2522 1.0.1.1.2 2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
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Fusi Office Address.	ooo Caldara / Contag / Pri of Contag		
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Date	4/28/00	Country of Citizenship	USA
Residence	Imperial, PA 15126		
Post Office Addre			
	Signature by administrator(trix), or legal i	representative for deceas	sed or incapacitated
i	nventor. Number of pages added	<u> </u>	
	Signature for inventor who refuses to sig	n or cannot be reached t	by person authorized under
	37 CFR 1.47. Number of pages added _	·	
	Added page for signature by one joint in	ventor on behalf of decea	ased inventor(s) where legal
	representative cannot be appointed in tim		
	Authorization of attorney(s) to accept and	d follow instructions from	representative.
This dec	laration ends with this page.		

DECLARATION OR OATH

	No declaration or oath was filed. Enclosed is the original declaration or oath for this application.
NOTE:	If the correct inventor or inventors are not named on filing a nonprovisional application under \S 1.53(b) without an executed oath or declaration under \S 1.63, the later submission of an executed oath or declaration under \S 1.63 during the pendency of the application will act to correct the earlier identification of inventorship. 37 C.F.R. \S 1.48(f)(1).
	OR
	The declaration or oath that was filed was determined to be defective. A new original oath or declaration is attached.
NOTE:	For surcharge fee for filing declaration after filing date complete item VI(3) below.
NOTE:	"The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 C.F.R. 1.63:
	"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g., 08/123.456);
	"(2) name of inventor(s), serial number and filing date;
	"(3) name of inventor(s) and attorney docket number which was on the specification as filed;
	"(4) name of inventor(s), title which was on the specification as filed and filing date;
	"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
	"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
	Notice of Jul. 13, 1995 (1177 O.G. 60); M.P.E.P. § 601.01(a), 6th ed., rev. 3.
NOTE:	Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and the express mail number, useful where the serial number is not yet known. But note the practice where the express mail deposit is a Saturday, Sunday or holiday within the District of Columbia. 37 C.F.R. 1.10(c).
	(complete (c) or (d), if applicable)
Attache	d is a
(c) 🛚	Statement by a registered attorney that the application filed in the PTO is the application that the inventor executed by signing the declaration.
(d) 🗌	Statement that the "attached" specification is a copy of the specification and any amendments thereto that were filed in the PTO to obtain the filing date.
	AMENDMENT CANCELLING CLAIMS
ш. [Cancel claims inclusive.

TRANSMITTAL OF ENGLISH TRANSLATION OF NON-ENGLISH LANGUAGE PAPERS

IV. 🗆	Submitted herewith is an English translation of the papers as originally filed. Also submitted herewith the accuracy of the translation. It is requested to copy for examination purposes in the PTO.	h is a statement by the translator of
NOTE: Fo	r fee processing a non-English application, complete item VI(5) bei	low.
NOTE: A	on-English oath or declaration in the form provided by the PTO n	eed not be translated. 37 C.F.R. 1.69(b).
	SMALL ENTITY	STATUS
v. 🗆	A statement that this filing is by a small entity	
	(check and complete applicable item	15)
	is attached.	
	A separate refund request accompanies the	nis papėr.
	was filed on(original) .
	COMPLETION FEES	
VI.		
WARNI	NG: Failure to submit the surcharge fees where required will c 37 C.F.R. 1.53.	ause the application to become abandoned.
NOTE:	For effect on fees of failure to establish status, or change status, as	a small entity, see 37 C.F.R. 1.28(a).
1. Filin	g fee	
	original patent application (37 C.F.R. 1.16(a)—\$760.00; Small entity—\$380.00)\$
	design application (37 C.F.R. 1.16(f)—\$310.00; small entity—\$155.00)	\$
		\$
2. Fee	s for claims	
	each independent claim in excess of 3 (37 C.F.R. 1.16(b)—\$78.00; small entity—\$39.00)	\$
	each claim in excess of 20 (37 C.F.R. 1.16(c)—\$18.00; small entity—\$9.00)	\$
	multiple dependent claim(s) (37 C.F.R. 1.16(d)—\$270.00; small entity—\$135.00	s

3. Surc	harge fees		
	late payment of filing fee		
	and/or		
\boxtimes	late filing of original declaration or oath (37 C.F.R. 1.16(e)—\$130.00; small entity—	\$65.00); \$ <u>130.</u>	.00
NOTE:	Even where a facsimile declaration or oath signed by the surcharge fee is required.	he inventor(s) was part of the	originally filed papers,
NOTE:	If both the filing fee and declaration or oath were miss for both need be paid. 37 C.F.R. 1.16(e).	ing from the original papers,	only one surcharge fee
4. 🗌	Petition and fee for filing by other than all the or a person not the inventor (37 C.F.R. 1.17(1.47—\$130.00)		
5. 🗌	Fee for processing an application filed with specification in a non-English language (37 C.F.R. 1.17(k) and 1.52(d)—\$130.00)	a . \$	
6.	Fee for processing and retention of application (37 C.F.R. 1.21(1) and 1.53(d)—\$130.00)	on \$	
7.	Assignment (See "ASSIGNMENT COVER	SHEET".)	
NOTE:	37 C.F.R. 1.21(l) establishes a fee for processing and failing to complete the application pursuant to 37 C.F. 1.53 and 1.78 indicate that in order to obtain the bene or the processing and retention fee of § 1.21(l) within	F.R. 1.53(f) and this, as well a efit of a prior U.S. application	s, the changes to 37 C.F.R. 1, either the basic filing fee
	Total completion fees	\$ <u>130</u>	0.00
	EXTENSION (OF TIME	
VII.	(complete (a) or (b), as applicable)	
	The proceedings herein are for a patent app	lication, and the provision	ons of 37 C.F.R. 1.136(a) apply
	(a) Applicant petitions\ for an extension 1.17(a)(1)-(4), for the total number		
	Extension	Fee for other than	Fee for
	(months)	small entity	small entity
	one month	\$ 110.00	\$ 55.00
	two months	\$ 380.00	\$190.00
	three months	\$ 870.00	\$435.00
	four months	\$1,360.00	\$680.00
-			Fee \$

If an additional extension of time is required, please consider this a petition therefor. (check and complete the next item, if applicable)

	An extension for months has already been secured, and the fee paid therefor of \$ is deducted from the total fee due for the total months of extension now requested.
	Extension fee due with this request \$
	or
(b) 🛚	Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.
	TOTAL FEE DUE
VIII.	
	The total fee due is
	Completion fee(s) \$_130.00 Extension fee (if any) \$0
	Total Fee Due <u>\$130.00</u>
	PAYMENT OF FEES
IX.	
\boxtimes	Enclosed is a check in the amount of \$_130.00
	Charge Account No in the amount of \$ A duplicate of this request is attached.
NOTE:	Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. 1.22(b).
	Please charge Account No. 11-1110 for any fees that may be due by this paper.
	AUTHORIZATION TO CHARGE ADDITIONAL FEES
х.	
WARI	NING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claims are authorized.
NOTE:	"Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).
	The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the pendency of this application to Account No. 11-1110
	□ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)
	37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

on hv	ly be paid or these	e claims cancelled by amendmen notice of fee deficiency (37 C.F.	dent claims not paid on filing or on later presentation must at prior to the expiration of the time period set for response R. 1.16(d)), it might be best not to authorize the PTO to ealing with amendments after final action.
	\boxtimes	37 C.F.R. 1.16(e) (sur declaration on a date late	charge for filing the basic filing fee and/or r than the filing date of the application)
	\boxtimes	37 C.F.R. §§ 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))
	\boxtimes	37 C.F.R. 1.17 (application	on processing fees)
re in re fo p	eply, requiring a scorporating a peti equired fees, fees t or an extension of i aragraph for its t	petition for an extension of ition for extension of time for the under § 1.17, or all required extinue in any concurrent or future	on that is an authorization to treat any concurrent or future time under this paragraph for its timely submission, as appropriate length of time. An authorization to charge all ension of time fees will be treated as a constructive petition reply requiring a petition for an extension of time under this of the fee set forth in § 1.17(a) will also be treated as a concurrent reply requiring a petition for an extension of time C.F.R. § 1.136(a)(3).
		37 C.F.R. 1.18 (issue pursuant to 37 C.F.R.	fee at or before mailing of Notice of Allowance, 1.311(b))
	Where an authorize of Allowance, the is of allowance. 37 C	ssue fee will be automatically ch	deposit account has been filed before the mailing of a Notice arged to the deposit account at the time of mailing the notice
i	n the application . 1 28/b) · (a) notifie	prior to naving or at the time	ange in loss of entitlement to small entity status must be filed e of paying issue fee" From the wording of 37 C.F.R. be made even if the fee is paid as "other than a small entity" to another small entity.
			Mustum & Sunde Signature of practitioner
Reg. N	lo. 30,557		Christine R. Ethridge (type or print name of practitioner)
Tel. N	o.: (412) 355-8	619	Kirkpatrick & Lockhart LLP P.O. Address Henry W. Oliver Building 535 Smithfield Street Pittsburgh, PA 15222-2312

Customer No.

				
FORM PTO-1619A Expires 06/30/99 OMB 0651-0027	Γ		Patent and	tment of Commerce Trademark Office
	L		1 ,	
REC	· CORDATION	FORM COVE	ER SHEET	
i i		ENTS ONLY		
To: The Commissioner of Patents and			hed original document(s	i) or copy(ies).
		Conveyance T		,,
Submission Type		Assignment	Security A	
⊠ New		Assignment	Security A	igreement
Resubmission (Non-Recordation) Document ID #)	License	Change o	f Name
Document ID#		Merger	Other_	
Correction of PTO Error	-			
Reel # Frame #		i	U.S. Government	
		(For Use	ONLY by U.S. Governn	ent Agencies)
Corrective Document				
Reel # Frame #	L	☐ Дер :	artmental File	Secret File
Conveying Party(ies)		Mark if add	litional names of convey	ing parties attached Execution Date Month Day Year
Name (line 1) Krzysztof Matyja	szewski			04/18/2000
Name (line 2)				
Second Party	(Execution Date Month Day Year
Name (line 1) Scott G. Gaynor				04/18/2000
Name (line 2)				
Receiving Party		Mark if add	litional names of receivi	ng parties attached
	lon University			ent to be recorded
Carnegie Mei	ion Omversity			gnment and the
Name (line 2)			•	party is not in the United
Address (line 1) 5000 Forbes	Avenue			appointment
Address (line 2)				ative is attached.
,				tion must be a
Address (line 3) Pittsburgh	PA		separate Assignme	document from
Address (line 3) Pittsburgh City		Country	Zip Code	au.j
			 	
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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

FORM PTO-1	- · ·
Expires 06/30	
OMB 0651-00	
Domestic Rep	resentative Name and Address Enter for the first Receiving Party only.
Name	-
Address (line 1)	
Address (line 2)	
Address (line 3)	
Address (line 4)	
Corresponde	nt Name and Address
	Area Code and Telephone Number (412) 355-8619
Name (Christine R. Ethridge, Esquire
Address (line 1)	Kirkpatrick & Lockhart LLP
Address (line 2)	Henry W. Oliver Building
Address (line 3)	535 Smithfield Street
Address (line 4)	Pittsburgh, PA 15222-2312
Pages	Enter the total number of pages of the attached conveyance document including any attachments.
Application I	Number(s) or Patent Number(s) Mark if additional numbers attached
·	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).
	Application Number(s) Patent Number(s)
09/534827	
	being filed together with a <u>new</u> Patent Application, enter the date the patent application was <u>Month Day Year</u> named executing inventor.
	eration Treaty (PCT) PCT PCT PCT
only if	CT application number a U.S. Application Number been assigned. PCT PCT PCT
Number of I	Properties
	Enter the total number of properties involved. # 1
Fee Amount	Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00
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Method of Payment: Deposit Account	Enclosed Deposit Account	
(Enter for payment by deposit accou	unt or if additional fees can be charged to the account.)	
	Deposit Account Number: # 11-1110	
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Statement and Signature	•	
	the foregoing information is true and correct and any attached trges to deposit account are authorized, as indicated herein.	copy is a
Christine R. Ethridge Name of Person Signing) <i>O</i>

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FORM PTO-1619C Expires 06/30/99 OMB 0651-0027	RECORDATION FORM COVER SHE CONTINUATION PATENTS ONLY	[EET J.S. Department of Commerce Patent and Trademark Office PATENT
Conveying Party(ies) Enter additional Conveying Part	Mark if addition	nal names of conveying parties attached Execution Date Month Day Year
Name (line 1) Hvun-iong Pa	aik	04/18/2000
Name (line 2)		
		Execution Date Month Day Year
Name (line 1) Tomislav Pir	ntauer	04/18/2000
Name (line 2)		Execution Date Month Day Year
Name (line 1) Jeff Pvun		04/18/2000
Name (line 2)		
Name (line 2) Address (line 1) Address (line 2) Address (line 3) Ci Name (line 1) Name (line 2) Address (line 1) Address (line 2)	ity State/Country Zip	receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) Code If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached.
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Application Number(s	s) or Patent Number(s) action Number or the Patent Number (DO NOT ENTER I	Mark if additional numbers attached BOTH numbers for the same property). Patent Number(s)

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Conveying Party(ies)	Table 1	c if additional names of conveying parties atta	ached	
Enter additional Conveying Parti		Execution I Month Day	Date	
Name (line 1) Jian Qiu	1	04/18	/2000	
Name (line 2)				
No. 10 (Alice 1)		Execution I Month Da	y Year	
Name (line 1) Mircea Te	odorescu	04/2	<u>6/2d</u> op	
Name (line 2)				
N		Execution Month Da	y Year	
Name (line 1) Jianhui	Xia	04/18	/20g0	
Name (line 2)				
Receiving Party(ies) Enter additional Receiving Party Name (line 1) Name (line 2) Address (line 1)		If document to be record is an assignment and the receiving party is not domiciled in the United States, an appointment	ded	
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Address (line 3)	y State/Country	separate document from Assignment.) Zip Code		
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Name (line 2)		receiving party is not domiciled in the United		
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Patent Application N	umber(s)	Patent Number(s)		

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Mark if additional name	es of receiving parties attached
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	States, an appointment of a domestic
	representative is attached. (Designation must be a
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ate/Country Zip Code_	Assignment.)
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atent Number (DO NOT ENTER BOTH nu	umbers for the same property).
	ambers for the same property).

Attorney's Docket No. 00093	PATENT	
	For: ⊠ U.S. and/or ⊠ Foreign Rights	
	For: U.S. Application or	
	U.S. Provisional Application	
	For: U.S. Patent	
	For: PCT Application	
	By: Multiple Inventors	
ASSIGNMENT OF	F INVENTION (MULTIPLE INVENTORS)	
In consideration of the payment by As receipt of which is hereby acknowledged,	SSIGNEE to ASSIGNOR of the sum of One Dollar and for other good and valuable consideration,	(\$1.00), the
ASSIGNORS (Inventors):		
	9 Queens Court	
Krzysztof Matyjaszewski	Pittsburgh, PA 15238	USA
(type or print name of inventors)	Address	Nationality
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Scott G. Gaynor	Pittsburgh, PA 15221	USA
	400 N. Neville St. #203	
Hyun-jong Paik	Pittsburgh, PA 15213	S. Korea
The state of the s		·
	5644 Beacon Street, Apt. 2R	
Tomislav Pintauer	Pittsburgh, PA 15217	Croatia
•	1777 A	
	4750 Centre Avenue, Apt. #3	USA
Jeff Pyun	Pittsburgh, PA 15213	USA
	1010 C. Iv. Avenue Ant F 12	
	4910 Centre Avenue, Apt. E-12	Pop Of China
Jian Qiu	Pittsburgh, PA 15213 Peoples	s Rep. Of China
	4 Ch. Dalinu Circuit	
	1 Gh. Polizu Street <u>Bucharest 78126 Romania</u>	Romania
Mircea Teodorescu	Bucharest 10120 Romania	Tomana
	358 Oakland Avenue, Apt. 3	
		Ren Of China
Jianhui Xia	Pillsburgh, PA 15213 Peoples	rich. Or Ormia
	2 Mikaila Way	
	2 Mikaila Way Wobum, MA 01801 Peoples	Ren Of China
Xuan Zhang	WODUITI, MA UTOUT Peoples	I TOP. OI OIMIG

140 Forest Glen Drive Imperial, PA 15126

USA

Peter J. Miller

nereby sells, assigns and transfers to	
ASSIGNEE:	
Carnegie Mellon University (type or print name of ASSIGNEE)	5000 Forbes Avenue Address
(a Non-profit Pennsylvania organization) Nationality	Pittsburgh, PA 15213
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(check the following box, if foreign	rights are also to be assigned)
and in all foreign countries, including a improvements which are disclosed in the invention enticontrolled Polymerization of Free Radica Functional Polymeric Systems Prepared T	ALLY (CO)POLYMERIZABLE MONOMERS AND
(check and complete (a), (b), (c), (d), (e), (f) or (g))
and which is found in	
(a) U.S. patent application executed on even	date herewith
(b) U.S. patent application executed on	
(c) \square U.S. provisional application naming the at	pove inventor(s) for the above-entitled invention
Express mail label no.:	
Mailed:	
To comply with 37 CFR 3.21 for recordal hereby authorize and request my attorn number when they become known.	of this assignment, I, an ASSIGNOR signing below, ney to insert below the filing date and application
(d) ☑ U.S. application no.: <u>09/534,827</u>	filed on March 23, 2000
(e) International application no. PCT /	
(f) U.S. patent no.	issuedissued
A change of address to which corres fees is being sent separately.	pondence is to be sent regarding patent maintenance

(Assignment of Invention-Multiple Inventors [16-3.2]-page 2 of 3)

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have I	nereunto set nand and seal trils	gning
WARNING: The date of signing must be the sam	ne as the date of execution of the application, if item (a) was checked above	e.
Krzysztof Matyjaszewski		4/18/2000
(type name of Inventor)	Signature of INVENTOR	Date
Scott G. Gaynor	(at 6.5 -	4/18/2000
own o, eagin.	12 60713	Date
Hyun-jong Paik	02700	4/18/2000 Data
	To a to a find house	Date
Tomislav Pintauer	Towestor Prutaver	4/18/2000
	lu o	Date
Jeff Pyun	Ath 1	4/18/200
Jen 1 you		Date
Jian Qiu	hale:	4/18/200
yidit Qid		Date
Mircea Teodorescu		1
MIII 000 1 000010000		•
Jianhui Xia	la s	4/18/200
Jiaimu Aia		Date
Xuan Zhang		
Auait Zharig	11-10011	
Peter J. Miller	Mithelf fluid	4/18/2000
reter J. Willer		Date
		

No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

☐ Notarization or Legalization Page Added.

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(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have he	ereunto set hand and seal this
ARNING: The date of signing must be the same	e as the date of execution of the application, if item (a) was checked above.
rzysztof Matyjaszewski ype name of Inventor)	Signature of INVENTOR
cott G. Gaynor	
lyun-jong Paik	
omislav Pintauer	
eff Pyun	
ian Qiu	
Mircea Teodorescu	<u> </u>
lianhui Xia	
Kuan Zhang	The , x
Peter J. Miller	
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(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this _		April	26,	2000
III WITHESS WITE ILEGI, WE have no out to be have				Date of signing
VARNING: The date of signing must be the same as the date of exec	cution of the application	on, if item (a)	was ch	ecked above.
Crzysztof Matyjaszewski type name of Inventor)	Signature of INVE	TOR		
lyun-jong Paik				
Comislav Pintauer				
Jeff Pyun		-		
Jian Qiu				<u> </u>
Mircea Teodorescu	mteo	dover	<u> </u>	-
Jianhui Xia				<u> </u>
Xuan Zhang				
Peter J. Miller				
Notarization or Legal	ization Page Add	ed.		

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Attorney Docket No. 00093

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Matyjaszewski et al.

Application No.: 09/534,827

Group No.:

Filed: March 23, 2000

Examiner:

CATALYTIC PROCESSES FOR THE CONTROLLED POLYMERIZATION OF FREE RADICALLY For: (Co)POLYMERIZABLE MONOMERS AND FUNCTIONAL POLYMERIC SYSTEMS PREPARED THEREBY

Assistant Commissioner for Patents Washington, DC 20231

STATEMENT BY PRACTITIONER THAT APPLICATION FILED IN PTO IS THE ONE INVENTOR EXECUTED BY SIGNING DECLARATION

NOTE:	This form is to be used when the declard September 12, 1983, 1035 O.G. 3.	ntion only indicates the name(s) of the inventor(s) and the title of the invention. Notice of
I,		Christine R. Ethridge
		Name of Practitioner
		Kirkpatrick & Lockhart LLP P.O. Address
	Henry W. Oliver Building, 5	35 Smithfield Street, Pittsburgh, Pennsylvania 15222-2312
Reg. No3	0,557	Tel. No. (412) 355-8619
state I am t signing the	he registered practitioner for this applicatio declaration that is being submitted herewit	n and the application identified above is the application that the inventor(s) executed by h. MUSTURE OF PRACTITIONER
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	CERTIFICAT	TE OF MAILING/TRANSMISSION (37 C.F.R. 1.8a)
I hereby co	ertify that this correspondence is, on the dat	e shown below, being:
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		(type or print name of person certifying)
(Statemen	t by Practitioner That Application Filed in	PTO is the One Inventor Executed by Signing Declaration

[5-10])

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE 37 C.F.R. § 3.73(b) Statement

Applicants: Matyjaszewski et al.

For: CATALYTIC PROCESSES FOR THE CONTROLLED POLYMERIZATION OF FREE RADICALLY (Co)POLYMERIZABLE MONOMERS AND FUNCTIONAL POLYMERIC SYSTEMS PREPARED THEREBY

Serial No.: 09/534,827 Filed: March 23, 2000

Power Of Attorney

I hereby revoke all previous powers of attorney, if any, and appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael G. Biro	Reg. No. P-46,556	James R. Kyper,	Reg. No. 27,346
Carol I. Bordas,	Reg. No. 37,284	Mark R. Leslie,	Reg. No. 36,360
Roberto Capriotti	Reg. No. P-46,599	Franklin B. Molin,	Reg. No. 37,397
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Richard W. James,	Reg. No. 43,690	Bernard G. Pike	Reg. No. P-46,993
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Mark G. Knedeisen.	Reg. No. 42,747	David Schramm	Reg. No. 41,295
William E. Kuss.	Reg. No. 41,919	Robert D. Yeager	Reg. No. 25,047

Please Direct All Correspondence to: Christine R. Ethridge, Esq.

Kirkpatrick & Lockhart, LLP Henry W. Oliver Building 535 Smithfield Street Pittsburgh, PA 15222-2312

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I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

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Name Title Susan Burkett

Associate Provost



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ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

OCTOBER 03, 2000

KIRKPATRICK & LOCKHART LLP CHRISTINE R. ETHRIDGE 535 SMITHFIELD STREET HENRY W. OLIVER BUILDING PITTSBURGH, PA 15222-2312 RECEIVED

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RECORDATION DATE: 07/13/2000

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BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MATYIASZEWSKI, KRZYSZTOF

DOC DATE: 04/18/2000

ASSIGNOR:

GAYNOR, SCOTT G.

DOC DATE: 04/18/2000

DOCKETED

ASSIGNOR:

PAIK, HYUN-JONG

DOC DATE: 04/18/2000

OCT 1 1 2000

ASSIGNOR:

PINTAUER, TOMISLAY

DOC DATE: 04/18/2000

TERRI WATSON

ASSIGNOR:

PYUN, JEFF

DOC DATE: 04/18/2000

ASSIGNOR:

QIU, JIAN

DOC DATE: 04/18/2000

ASSIGNOR:

TEODORESCU, MIRCEA

DOC DATE: 04/26/2000

010999/0482 PAGE 2

ASSIGNOR:

XIA, JIANHUI DOC DATE: 04/18/2000

ASSIGNOR:

ZHANG, XUAN DOC DATE: 04/19/2000

ASSIGNOR:

MILLER, PETER J. DOC DATE: 04/18/2000

ASSIGNEE:

CARNEGIE MELLON UNIVERSITY 5000 FORBES AVENUE PITTSBURGH, PENNSYLVANIA 15213

SERIAL NUMBER: 09534827 FILING DATE: 03/23/2000

PATENT NUMBER: ISSUE DATE:

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Reel # Frame #						
Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date Month Day Year					
Name (line 1) Krzysztof Matyiaszews						
Name (line 2)	Name (line 2)					
Second Party	Execution Date Month Day Year					
Name (line 1) Scott G. Gavnor	04/18/2000					
Name (line 2)						
Receiving Party	Receiving Party Mark if additional names of receiving parties attached					
Name (line 1) Carnegie Mellon Un	niversity If document to be recorded is an assignment and the					
Name (line 2)	receiving party is not domiciled in the United					
Address (line 1) 5000 Forbes Avenu	States, an appointment of a domestic					
Address (line 2)	representative is attached. (Designation must be a					
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Domestic Representative	Table althought ess	Enter for the first Re	eceiving Party only.
Name			
Address (line 1)			
Address (line 2)			
Address (line 3)			
Address (line 4)			
Correspondent Name an	d Address		
Correspondent Name an	Area Code an	d Telephone Numbe	er (412) 355-8619
Name Christine R	. Ethridge, Esquire		
Address (line 1) Kirkpatrick			
Address (line 2) Henry W. C	Dliver Building		·
Address (line 3) 535 Smithf			,
Address (line 4) Pittsburgh.	PA 15222-2312		
Pages Enter the to	otal number of pages of the	attached conveyance	e document
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Deposit Account	Difference C
(Enter for payment by denosit account	ant or if additional fees can be charged to the account.)
(Line) to payment by deposit account	Deposit Account Number: # 11-1110
	Authorization to charge additional fees: Yes No No
Statement and Signature	
To the best of my knowledge and belief, to true copy of the original document. Char	he foregoing information is true and correct and any attached copy is a rges to deposit account are authorized, as indicated herein.
Christine R. Ethridge	Mustine 4. Emrile 6/8/00
Name of Person Signing	Signature D' D'ate

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FORM PTO-1619 Expires 06/30/99	C E	CORDATION FORE	ON	ET .S. Department of Comi Patent and Trademark Of
OMB 0651-0027	•>	PATENTS ON		PATENT
Conveying Party() Enter additional Convey	ing Parties		\	names of conveying parties atta Execution D Month Day
Name (line 1) Hyun-i	iong Paik	JUL 1 3 2000 &		04/18/20
Name (line 2)		E AN	7	
		MADEMARK		Execution D
Name (line 1)				Month Day
Lomis	lav Pintauer			04/18/20
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	•			Execution D Month Day
Name (line 1) Jeff Py	vun			04/18/20
Name (line 2)				
Name (line 2)				is an assignment and the
Address (line 2) Address (line 3)				receiving party is not domiciled in the United States, an appointment of a domestic representative is attached (Designation must be a separate document from Assignment.)
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Address (line 2) Address (line 3)	City	State/Country	Zip Co	domiciled in the United States, an appointment of a domestic representative is attached (Designation must be a separate document from Assignment.) ode If document to be record
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Name (line 1)	Peter J. Mi	ller		04/18/2000
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Attorney's Docket No. 00093

PATENT

For:	⊠ U.S. and/or ⊠ Foreign Rights
For:	∪.S. Application or
	U.S. Provisional Application
For:	U.S. Patent
For:	PCT Application
D.	Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

	9 Queens Court	
Krzysztof Matyjaszewski	Pittsburgh, PA 15238	USA
(type or print name of inventors)	Address	Nationality
	228 Woodside Road	
Scott G. Gaynor	Pittsburgh, PA 15221	USA
	400 N. Marrilla CA #202	
	400 N. Neville St. #203	S. Korea
Hyun-jong Paik	Pittsburgh, PA 15213	S. Nulea
	5644 Beacon Street, Apt. 2R	
Tomislav Pintauer	Pittsburgh, PA 15217	Croatia
	4750 Centre Avenue, Apt. #3	
Jeff Pyun	Pittsburgh, PA 15213	<u>USA</u>
	4910 Centre Avenue, Apt. E-	12
Jian Qiu	Pittsburgh, PA 15213 Peor	
	1 Gh. Polizu Street	
Mircea Teodorescu	Bucharest 78126 Romania	Romania
	358 Oakland Avenue, Apt. 3	
Jianhui Xia	Pittsburgh, PA 15213 Peop	les Rep. Of China
	2 Mikaila Way	
Xuan Zhang		les Rep. Of China
	140 Forest Glen Drive	
Peter J. Miller	Imperial, PA 15126	USA
CICI O. IVIIIICI		

hereby sells,	assigns and transfers to	
ASSIGNEE:		
Carnegie Mel (type or print nar	lon University ne of ASSIGNEE)	5000 Forbes Avenue Address
<u>(a Non-profit</u> Nationality	Pennsylvania organization)	Pittsburgh, PA 15213
•		
and the succ	essors, assigns and legal representatives	of the ASSIGNEE
	(complete one of	the following)
t⊠ t	the entire right, title and interest	
		%) interest for the United States
	(check the following box, if foreign	rights are also to be assigned)
CONTROLL	ts which are disclosed in the invention enti	Il rights to claim priority, in and to any and all tled: CATALYTIC PROCESSES FOR THE ALLY (Co)POLYMERIZABLE MONOMERS AND HEREBY
	(check and complete (a), (b), (c), (d), (e), (f) or (g))
and which is	s found in	
(a) 🗆	U.S. patent application executed on even	date herewith
(b) 🗀	U.S. patent application executed on	
(c) 🗆	U.S. provisional application naming the at	oove inventor(s) for the above-entitled invention
•	Express mail label no.:	
	Mailed:	
	To comply with 37 CFR 3.21 for recordal hereby authorize and request my attornumber when they become known.	of this assignment, I, an ASSIGNOR signing below, ney to insert below the filing date and application
(d) 🛛	U.S. application no.: <u>09/534.827</u>	filed on March 23, 2000
(e) 🗆	International application no. PCT /filed on	
(f) 🗆	U.S. patent no.	issued
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(g) \times and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have	Date of si	gning
NARNING: The date of signing must be the same	ne as the date of execution of the application, if item (a) was checked abo	ve.
Krzysztof Matyjaszewski		4/18/2000
(type name of Inventor)	Signature of INVENTOR	Date
Scott G. Gaynor	/ art 6.5	4/18/2000
Uyun iong Paik	ongono	Date 4/18/2000
Hyun-jong Paik	<u> </u>	——Date
Tomislav Pintauer	Townslov Puntamer	4/18/2000
TOTHISIQY I WILLIAM	14. 0	Date
Jeff Pyun	Alh I	4/18/200
9011 1 1911	-0170	Date
Jian Qiu	Juak	4/18/200
		Date
Mircea Teodorescu	<u> </u>	
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Jianhui Xia		4/18/200 Date
	/	Date
Xuan Zhang		
	6 f-1 Mills	
Peter J. Miller	INLY JOUR	4/18/2000 Date
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and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand	t and seal this	April	19,	2000
IN WITNESS WHEREOF, We have hereunto set hand				Date of signing
ARNING: The date of signing must be the same as the date of exec	cution of the application	n, if item (a)	was ch	ecked above.
zysztof Matyjaszewski	Signature of INVEN	TOP		
pe name of Inventor)				
cott G. Gaynor	<u> </u>		_	
yun-jong Paik			-	
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and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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	nd seal this	ווועב	.20,	2000
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zysztof Matyjaszewski pe name of Inventor)	nature of INVENT	OR		
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cott G. Gaynor				
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JUNE 15, 2000

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KIRKPATRICK & LOCKHART LLP CHRISTINE R. ETHRIDGE, ESQUIRE HENRY W. OLIVER BUILDING 535 SMITHFIELD STREET PITTSBURGH, PA 15222-2312



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ASSIGNOR:

MATYIASZEWSKI, KRZYSZTOF

DOC DATE: 04/18/2000

ASSIGNOR:

GAYNOR, SCOTT G.

DOC DATE: 04/18/2000

ASSIGNOR:

PAIK, HYUN-JONG

DOC DATE: 04/18/2000

ASSIGNOR:

PINTAUER, TOMISLAV

DOC DATE: 04/18/2000

ASSIGNOR:

PYUN, JEFF

DOC DATE: 04/18/2000

ASSIGNOR:

ZHANG, XUAN

DOC DATE: 04/19/2000

ASSIGNOR:

MILLER, PETER J.

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ASSIGNOR:

QIU, JIAN DOC DATE: 04/18/2000

ASSIGNOR:

TEODORESCU, MIRCEA DOC DATE: 04/26/2000

ASSIGNOR:

XIA, JIANHUI DOC DATE: 04/18/2000

ASSIGNEE:

CARNEGIE MELLON UNIVERSITY 5000 FORBES AVENUE PITTSBURGH, PENNSYLVANIA 15213

SERIAL NUMBER: 09534827

FILING DATE: 03/23/2000 PATENT NUMBER: ISSUE DATÉ:

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	Second Party		Month Day Year 04/18/2000			
	Name (line 1) Scott G. Gaynor	·	<u>(04/18/2000</u>)			
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Correspondent Nam	e and Address	and Telephone Number	(412) 255 9(10
Name Christin	e R. Ethridge, Esquire	and Telephone Number	(4121333-8619
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to the best of the prioring document.	Charges to deposit account are authorized, as	indicated herein.
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Name (line 1)	Hyun-jong Paik			04/18/2000	
Name (line 2)					
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Attorney's Docket No. 00093

For: ☑ U.S. and/or ☑ Foreign Rights
For: ☑ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☐ PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

ASSIGNORS (Inventors):

	à Mageus Contr	
Krzysztof Matylaszewski	Pittsburgh, PA 15238	USA
(type or print name of inventors)	Address	Nationality
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	5644 Beacon Street, Apt. 2R	
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	2 Mikaila Way	
Xuan Zhang		Rep. Of China
	140 Forest Glen Drive	
Peter J. Miller	Imperial PA 15126	USA

PI-512907.01

hereby sells, assigns and transfers to	
ASSIGNEE:	•
Camegie Mellon University (type or print name of ASSIGNEE)	5000 Forbes Avenue Address
(a Non-profit Pennsylvania organization) Nationality	Pittsburgh. PA 15213
and the successors, assigns and legal representatives	of the ASSIGNEE
(complete one of	(U6 10110AII.18)
the entire right, title and interest	%) interest for the United States
and its territorial possessions (check the following box, if foreign	
and in all foreign countries, including a improvements which are disclosed in the invention enterprovements which are disclosed in the invention enterprovements POLYMERIZATION OF FREE RADIC FUNCTIONAL POLYMERIC SYSTEMS PREPARED (check and complete (a),	all rights to claim priority, in and to any and an initial rights to claim priority, in and to any and an itided: CATALYTIC PROCESSES FOR THE ALLY (Co)POLYMERIZABLE MONOMERS AND THEREBY
and which is found in (a) U.S. patent application executed on ever	n date herewith
(a) ☐ U.S. patent application executed on	
(b) ☐ U.S. patent application naming the	above Inventor(s) for the above-entitled invention
Express mail label no.:	
hereby authorize and request the	al of this assignment, I, an ASSIGNOR signing below, orney to insert below the filing date and application
" " 1 - 1 - 1 - 1 00/53/1 827	filed on March 23, 2000
(e) International application no. PCT /filed on	
(f) U.S. patent no	
fees is being sent separately.	(Assignment of Invention-Multiple Inventors [16-3.2]-page 2 of 3)
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(g) \times and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any relssue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this __

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WARNING: The date of signing must be the same	e as the date of execution of the application, if item (a) was checked about	we.
Krzysztof Matylaczewski	Thospers "	4/18/200
(type name of Inventor)	Signature of INVENTOR	Date
	(50 C 5	4/18/2000
Scott G. Gaynor		Date
Hvun-iong Paik	Con wo	4/18/2000
	C . 01	Date
Tomislay Pintauer	Towestor Prutaver	4/18/2000 Date
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Jeff Pyun	——————————————————————————————————————	Date
	7 0	Date
Jian Qiu	Juan	4/18/200
		Date
Mircea Teodorescu		
•	Vac	
Jianhui Xia		4/18/200 Date
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Xuan Zhang		·
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Peter J. Miller		Date
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NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be

prima facle evidence of execution. 35 USC 261. Use next page if notarization is desired.

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(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this _		April	19,	2000
, , , , , , , , , , , , , , , , , , , ,				Date of signing
VARNING: The date of signing must be the same as the date of execut	tion of the applicati	on, if item (a)	was che	cked above.
(rzysztof Matyjaszewski		·		
type name of Inventor) Si	gnature of INVE	NTOR		
Scott G. Gaynor				
tyun-jong Palk		· · · · · · · · · · · · · · · · · · ·		
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(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

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IN WITNESS WHEREOF, We have hereunto set ha	and and seal this	April	26,	2000
	_			Date of signing
WARNING: The date of signing must be the same as the date of ex	xecution of the application	on, if item (a)	was ch	ecked above.
Krzysztof Matyjaszewski				
(type name of Inventor)	Signature of INVENTOR			
Scott G. Gaynor			·	
Hyun-jong Païk		· · · · · · · · · · · · · · · · · · ·		
Tomislav Pintauer				
Jeff Pyun				
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Jianhul Xia				
Xvan Zhang				
Peter J. Miller				
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prima facte evidence of execution. 35 USC 261. Use next page if notarization is desired.

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(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

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